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**Name of Organization:** Headwaters Charitable Trust

**Type of Organization:** Other

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**Project Title:** Genessee River Habitat Restoration

**Project Category:** Habitat (Ecological) Protection and Rest

**Rank by Organization (if applicable):** 1

**Total Funding Requested (\$):** 137,500 **Project Duration:** 2 Years

**Abstract:**

A previous GLNPO funded project demonstrated the value of on farm demonstrations for controlling the impact of dairy wastes into the upper reaches of the Genesee River. This project takes the recommendations from the previous project and aggressively demonstrates the value of riparian zone protection by the use of geofluvia-morphologic techniques in concert with traditional methods that include streambank fencing, and the acquisition of easements. The innovative use of solar watering devices will reduce energy consumption.

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**Geographic Areas Affected by the Project**

**States:**

<input type="checkbox"/> Illinois	<input checked="" type="checkbox"/>	New York
<input type="checkbox"/> Indiana	<input checked="" type="checkbox"/>	Pennsylvania
<input type="checkbox"/> Michigan	<input type="checkbox"/>	Wisconsin
<input type="checkbox"/> Minnesota	<input type="checkbox"/>	Ohio

**Lakes:**

<input type="checkbox"/> Superior	<input type="checkbox"/> Erie
<input type="checkbox"/> Huron	<input checked="" type="checkbox"/> Ontario
<input type="checkbox"/> Michigan	<input type="checkbox"/> All Lakes

**Geographic Initiatives:**

<input type="checkbox"/> Greater Chicago	<input type="checkbox"/> NE Ohio	<input type="checkbox"/> NW Indiana	<input type="checkbox"/> SE Michigan	<input type="checkbox"/> Lake St. Clair
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**Primary Affected Area of Concern:** Not Applicable

**Other Affected Areas of Concern:**

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***For Habitat Projects Only:***

**Primary Affected Biodiversity Investment Area:** Not Applicable

**Other Affected Biodiversity Investment Areas:**

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**Problem Statement:**

The Genessee River is impacted by agricultural source from intensive dairy, and row crops such as potatoes. The City of Wellsville, NY uses the river for drinking water and does experience acute episodic impacts. Previous stream assessment work of a GLNPO funded project indicate that riparian zone protection would provide the best, most cost effective method for protecting the stream habitat.

**Proposed Work Outcome:**

A series of demonstration on farms known to impact the river will be completed. These demonstration will include a combination of traditional protection methods such as streambank fencing, and planting. Additional new measures such as easement purchase, and the use of solar powered watering devices will completely eliminate the need for livestock watering in stream. A geofluvial morphological approach will be used to design specific bank repairs.

It is expected that over 2 miles of streambank demonstration will be completed

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**Project Milestones:****Dates:**

Project Start	10/2000
Steering group meets and develops plans	10/2000
Farm contracts developed	04/2001
Designs completed	08/2001
Construction complete	07/2001
Stream assessments	09/2001
Second year contract cycles	06/2002
Project End	09/2002

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☒ Project Addresses Environmental Justice

**If So, Description of How:**

The region is a very poor region with low wages, and no industrial sector other than agriculture. The area had been targeted for a low level nuclear waste disposal site in both PA & NY. This project builds upon the community's desire to have a stronger agricultural sector that can provide long term environmentally benign cropping systems.

☒ Project Addresses Education/Outreach

**If So, Description of How:**

The reduced use of pesticides will be a target of this project. By addressing the habitat impacts of agriculture in stream a clear opportunity will be taken to identify impacts of herbicides and other pesticides on aquatic life. In this rural area using key farmers as demonstration sites will serve to change the behavior of peers.

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**Project Budget:**

	<b>Federal Share Requested (\$)</b>	<b>Applicant's Share (\$)</b>
<b>Personnel:</b>	10,000	0
<b>Fringe:</b>	3,000	0
<b>Travel:</b>	3,000	0
<b>Equipment:</b>	2,000	0
<b>Supplies:</b>	2,000	0
<b>Contracts:</b>	20,000	0
<b>Construction:</b>	85,000	10,000
<b>Other:</b>	0	0
<b>Total Direct Costs:</b>	125,000	10,000
<b>Indirect Costs:</b>	12,500	0
<b>Total:</b>	137,500	10,000
<b>Projected Income:</b>	0	0

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**Funding by Other Organizations (Names, Amounts, Description of Commitments):**

PA Game Commission- Streambank fencing for specific areas (in-kind-\$5,000)  
Farmers cost sharing (5% of construction)  
Potter County Conservation District (in-kind staff time-\$3,000)

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**Description of Collaboration/Community Based Support:**

Potter County Conservation District  
PA Game Commission  
PA DCNR- Bureau of Forestry  
First Citizens Bank- Meeting and outreach  
PA DEP- Great Lakes office  
USDA NRCS- project design